

Title (en)

Disk wheel for automobile vehicles.

Title (de)

Scheibenrad für Kraftfahrzeuge.

Title (fr)

Roue à disque pour véhicules automobiles.

Publication

**EP 0109939 A1 19840530 (EN)**

Application

**EP 83830215 A 19831102**

Priority

IT 5393982 U 19821117

Abstract (en)

Disk wheel for automobile vehicles in which the disk (12) is provided with angularly spaced holes (18) into which engage the screws (21) for securing the wheel (10) to a related support (28) and in which a hub cap (30) is applied to the disk (12), characterized in that the wheel disk (12) and the hub cap (30) are provided with means cooperating for the connection by a bayonet engagement of the hub cap (30) to the securing screws (22) of the wheel (10).

IPC 1-7

**B60B 7/06**

IPC 8 full level

**B60B 7/08** (2006.01); **B60B 7/12** (2006.01)

CPC (source: EP US)

**B60B 7/068** (2013.01 - EP US); **B60B 7/08** (2013.01 - EP US); **B60B 7/12** (2013.01 - EP US)

Citation (search report)

- US 4217003 A 19800812 - MAIN JOHN A [US]
- GB 2054483 A 19810218 - NISSAN MOTOR
- CH 184750 A 19360615 - FIRESTONE STEEL PRODUCTS CO [US]
- DE 2447575 A1 19760408 - HAPPICH GMBH GEBR
- FR 1385153 A 19650108
- FR 760208 A 19340219
- US 2298669 A 19421013 - WOOD EDWARD L
- FR 2515116 A1 19830429 - FIAT AUTO SPA [IT]
- GB 2113158 A 19830803 - KITTEL CARL GMBH & CO KG

Cited by

FR2656837A1; EP0310777A1; EP0368689A1; FR2638124A1; US4995673A; WO9014238A1; WO2015014518A1

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